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Water Supply Outlook For Nevada



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

NEVADA DEPARTMENT of CONSERVATION
AND NATURAL RESOURCES
DIVISION OF WATER RESOURCES

AS OF
March 1, 1981

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*COVER PHOTO: SNOW SURVEYORS MAKING SPECIAL MEASUREMENTS OF
THE SNOWPACK NEAR MT. ST. HELENS VOLCANO, WASHINGTON, APRIL 1980.*

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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All averages are for 1963-77 period.

WATER SUPPLY OUTLOOK FOR NEVADA

* * * * *

* NEVADA'S STREAMFLOW THIS SEASON WILL BE SIGNIFICANTLY BELOW AVERAGE. *

* WATER IN THE SNOWPACK IS ONLY ABOUT 50 PERCENT OF AVERAGE ACCORDING *

* TO THE SNOW COURSE MEASUREMENTS TAKEN THE END OF FEBRUARY. ALL *

* STREAMS AFFECTING THE STATE'S SURFACE WATER SUPPLY ARE PREDICTED TO *

* HAVE FLOWS BELOW 60 PERCENT OF AVERAGE. MOST STREAMS ARE FORECAST *

* TO HAVE FLOWS OF 40 to 55 PERCENT OF AVERAGE. *

* WATER FROM LAKE TAHOE AND RESERVOIRS WILL BE NEEDED TO SUPPLEMENT *

* THE WATER SUPPLIES THIS YEAR. LAKE TAHOE CONTAINS 355,000 ACRE-FEET *

* OF USEABLE STORAGE. THIS IS ONLY 72 PERCENT OF THE 1963-77 AVERAGE *

* FOR MARCH 1. RYE PATCH RESERVOIR CONTAINS 165,000 ACRE-FEET FOR *

* 136 PERCENT OF AVERAGE. THE AREA SERVED BY RYE PATCH RESERVOIR HAS *

* THE BEST WATER SUPPLY IN THE STATE. *

* * * * *

SIERRA EAST SLOPE

Snow course measurements taken the end of February indicate the water in the snowpack is only about 50 percent of average. Another comparison indicates there is only 45 percent of the April 1 average when historically there should be almost 90 percent in the snowpack by now.

The Truckee Basin snow water is now 48 percent of average; the Tahoe Basin is 52 percent; the Carson Basin is 60 percent; and the Walker Basin is 51 percent. Warm temperatures and some rain depleted the lower elevation snowpack. Only snow courses in the higher elevations showed increases in water content this month. The general snow line elevation is around 6,100 feet.

Some of the deficiencies are represented by Ward Creek #2 in the Tahoe Basin where the first measurements were taken in 1913. This year there is 63 inches of snow with 17.3 inches of water. The March 1 average for this site is 88 inches depth and 33.5 inches of water.

Sonora Pass in the Walker Basin now has 12.2 inches of water and the average is 21.0 inches. Lake Lucille snow course now has 27.9 inches of water and the average is 49.0 inches. Lake Lucille has an April 1 average of 55.9 inches of water.

Streamflows this summer are forecast to be less than 60 percent of average on all streams. The Truckee River at Farad is forecast to flow 140,000 acre-feet of water from April 1 to July 31. This compares to the average of 273,000 acre-feet. Lake Tahoe Rise, from April 1 to the high elevation, assuming the gates are closed, is only 0.6 feet. This compares to an average of 1.42 feet. The Carson River near Carson City is forecast to flow 95,000 acre-feet for 52 percent of average. The East Carson River is forecast to reach the 200 c.f.s. by July 8, some 16 days ahead of average.

The West Walker is forecast to flow 90,000 acre-feet. This is 62 percent of the average 146,000 acre-feet.

Reservoir storage in Lake Tahoe is 355,000 acrefeet, slightly above March 1 last year of 302,000 acre-feet. Other reservoirs are near average for March 1. Much of the water in the reservoirs will be needed to supplement water supplies this summer. Those water users with only direct diversions from streams will have very limited water supplies.

HUMBOLDT BASIN

Snow course measurements in the basin indicate very little increase in snowpack water content during the month. Water contents now are only 30 percent in the Upper Humboldt, and 26 percent in the Lower Humboldt. Many snow courses have no snow.

All streams are forecast to flow below 42 percent of average. The Humboldt River at Palisade is forecast to flow 75,000 acre-feet, or 34 percent of average. All forecasted flows in the Basin are similar to flows in 1976.

Rye Patch Reservoir contains 165,000 acre-feet compared to last year's 122,000 acrefeet.

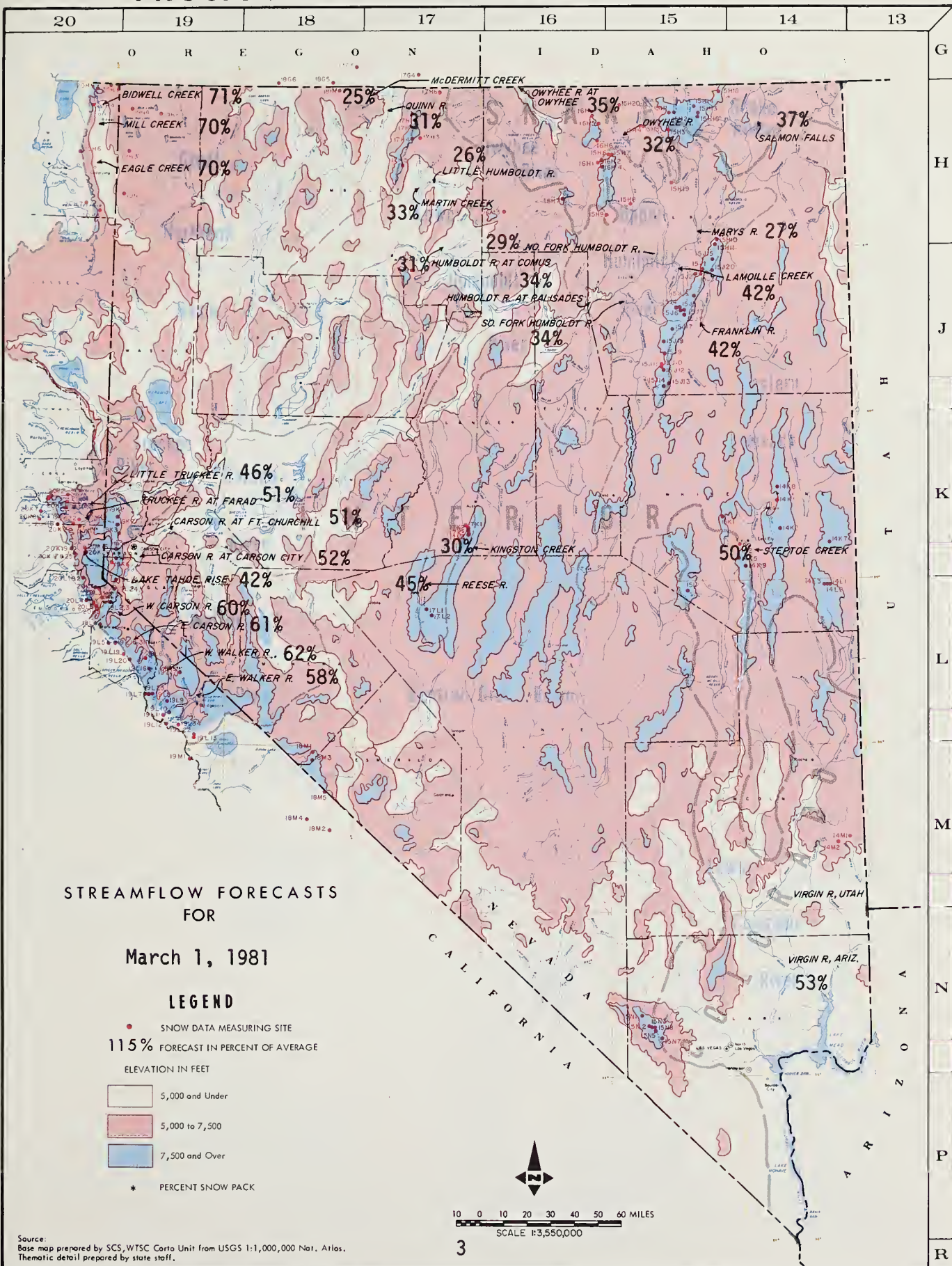
OWYHEE, SNAKE, NORTHERN GREAT, LOWER COLORADO, CENTRAL GREAT BASINS, AND EASTERN NEVADA

All these areas have very limited snowpack. Snow water ranges from 30 to 48 percent of average. Many snow courses have no snow. The monthly water increases have ranged from 0 to 50 percent of average.

Streamflows are forecast at 24 percent to 45 percent of average. Many streamflows will be similar to 1976. The exceptions are the streams in the Cedarville area where flows are forecast near 70 percent of average. All areas will have limited surface water supplies this summer.

Reservoir storage in Wild Horse Reservoir is now 50,000 acre-feet compared to last year's 40,000 acre-feet.

PROSPECTIVE WATER SUPPLY FOR NEVADA



INDEX TO NEVADA SNOW COURSES

(By Basins)

Refer to the map on the preceeding page for Snow Course locations.

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
SNAKE RIVER BASIN					
SNAKE RIVER					
15H15MA	Bear Creek	31	46N	58E	7800
15H2	Fox Creek	33	46N	58E	6800
15H135A	Goat Creek	31	46N	60E	8800
15H15A	Hummingbird Springs	6	45N	60E	8945
15H20a	Merritt Mountain	10	46N	54E	7000
15H145A	Pole Creek Ranger Station	13	46N	59E	8330
15H18a	Red Point	15	47N	61E	7940
15H35A	76 Creek	6	44N	58E	7100
15H19a	5tag Mountain	32	41N	58E	7800

OWYHEE RIVER					
15H45M	Big Bend	30	45N	56E	6700
16H6a	Columbia Basin	31	44N	53E	6650
16H8a5	Fawn Creek	2	45N	52E	7000
15H5	Gold Creek	32	45N	56E	6600
16H1M	Jack Creek, Lower	18	42N	53E	6800
16H25AM	Jack Creek, Upper	9	42N	53E	7250
16H45	Jacks Peak	21	42N	53E	8420
16H55	Laurel Draw	20	45N	53E	6700
17G4a	Louse Canyon (OR)	27	40S	44E	6440
15H9MPS	Taylor Canyon	35	39N	53E	6200

INTERIOR

UPPER HUMBOLDT RIVER					
15J17a	American Beauty	32	31N	58E	7800
15J125A	Corral Canyon	27	28N	57E	8500
15J15M	Doorsey Basin	28	35N	60E	8100
15J3	Dry Creek	5	34N	60E	6500
15H7	Fry Canyon	31	43N	54E	6700
15J35M	Green Mountain	23	29N	57E	8000
15J10	Harrison Pass #1	9	28N	57E	6600
15J11	Harrison Pass #2	16	28N	57E	7400
15J4	Lamoille #1	15	32N	58E	7100
15J65	Lamoille #3	24	32N	58E	7700
15J8P	Lamoille #5	31	32N	59E	8700
15J20	Pole Canyon #2	6	34N	61E	7700
15J16a	Robinson Lake	23	33N	59E	9200
15H6MP	Rodeo Flat	36	43N	53E	5800
15J2	Ryan Ranch	1	34N	59E	6800
15J19	Smith Creek	26	30N	57E	7600
15H8	Tremewan Ranch	9	39N	55E	5700
15H10P	Trout Creek, Lower	28	37N	61E	6900
15H11A	Trout Creek, Upper	4	36N	61E	8500

LOWER HUMBOLDT RIVER					
17K1	Big Creek Campground	10	17N	43E	6600
17K45	Big Creek Summit	35	17N	43E	8700
17K2	Big Creek Mine	23	17N	43E	7600
17K3	Big Creek, Upper	26	17N	43E	7800
17H25	Buckskin, Lower	25	45N	39E	6700
17H1	Buckskin, Upper	11	45N	39E	8200
17L1	Corral, Lower	12	11N	40E	7500
17L2	Corral, Upper	20	11N	41E	8000
17J2	Golconda #2	22	35N	39E	6000
17H45	Granite Peak	22	44N	39E	7800
17H55	Lanance Creek	13	42N	38E	6000
17H3	Martin Creek	13	44N	39E	6700
16H3AP	Midas	18	39N	46E	7200
16H7a	Toe Jam	29	40N	50E	7700

EASTERN NEVADA

14L1	Baker #1	29	13N	69E	7950
14L2	Baker #2	30	13N	69E	8950
14L3	Baker #3	25	13N	68E	9250
14K25	Berry Creek	26	17N	65E	9100
14K1	Bird Creek	34	19N	65E	7500
14K9a	DeFiance Mines	9	14N	63E	9200
15J155	Hole-in-Mountain	35N	61E	7900	
14K8	Kalamazoo Creek	34	20N	65E	7400
14K3	Murray Summit	25	16N	62E	7250
15K1	Robinson Summit	34	18N	61E	7600
14K7	Silver Creek #2	30	16N	69E	8000
14K55	Ward Mountain #2	25	15N	62E	8900

CENTRAL GREAT BASIN

18M2	Campito Mountain (CA)	19	5S	35E	10200
18M5a	Chiatovich Flat (CA)	32	2S	34E	10500
15N2	Clark Canyon	8	19S	56E	9000
18M1	Montgomery Pass	4	1N	33E	7100
18M3a	Pinchot Creek (CA)	28	1N	33E	9300
18M4a	Piute Pass (CA)	33	4S	33E	11700
15N1	Trough Springs	23	18S	55E	8500

NORTHERN GREAT BASIN

19H1a	Bald Mountain	17	45N	21E	6270
20H5	Barber Creek (CA)	23	39N	16E	6500
20H6S	Cedar Pass (CA)	12	43N	14E	7100
18G6a	Genie Creek (OR)	14	41S	34E	6000
18H15	Oisaster Peak	8	47N	34E	6500
20H3aS	Oismal Swamp (CA)	31	48N	17E	7000
20H7	Eagle Peak (CA)	35	40N	15E	7200
19H3	49 Mountain	7	42N	19E	6000
19H2	Hays Canyon	1	39N	18E	6400
19H4a	Little Bally Mountain	8	45N	19E	6000
20H9	Mt. Bidwell (CA)	6	47N	16E	7200
20H10	North Star (CA)	13	47N	16E	6200
17G5a	Oregon Canyon (OR)	9	40S	40E	7240
17H6a	Quinn Ridge	9	47N	41E	6300
20H4	Reservation Creek (CA)	12	46N	15E	5900
18G5a	Trout Creek (OR)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
LAKE TAHOE					
20L65	Echo Peak (CA)	35	12N	17E	7800
20L5	Echo Summit (CA)	6	11N	18E	7450
20L105	Fallen Leaf (CA)	36	13N	17E	6300
19L2	Freel Bench (CA)	36	12N	18E	7300
19K6	Glenbrook #2	13	14N	18E	6900
19L3M5	Haqans Meadow (CA)	36	12N	18E	8000
19L245	Heavenly Valley (CA)	1	12N	18E	8850
20L4	Lake Lucille (CA)	28	12N	17E	8200
19K4M5	Marlette Lake	18	15N	19E	8000
20L3	Richardsons #2 (CA)	6	12N	18E	6500
20L1	Rubicon #1 (CA)	6	13N	17E	8100
20L25	Rubicon #2 (CA)	6	13N	17E	7500
20K16	Tahoe City (CA)	6	15N	17E	6250
20K26	Tahoe City Alt. (CA)	7	15N	17E	6300
20K275	Tahoe City Cross (CA)	1	15N	16E	6750
19L1	Upper Truckee (CA)	21	12N	18E	6490
20K255	Ward Creek (CA) #3	21	15N	16E	6750
20K17	Ward Creek #2 (CA)	21	15N	16E	7000

TRUCKEE RIVER

20K14	Boca #2 (CA)	28	18N	17E	5900
20K22	Brockway Summit (CA)	3	17N	16E	7100
20K21	Donner Park #2 (CA)	18	17N	16E	6000
20K10	Donner Summit (CA)	25	17N	14E	6900
20K7*	Fordyce Lake (CA)	34	18N	13E	6500
20KB*	Furnace Flat (CA)	10	17N	13E	6700
20K4M5	Independence Camp (CA)	34	19N	15E	7000
20K35	Independence Creek (CA)	14	19N	15E	6500
20K55	Independence Lake (CA)	9	18N	15E	8450
19K3	Little Valley	17	16N	19E	6300
19K25	Mt. Rose	7	17N	19E	9000
19K75	Mt. Rose Ski Area	30	17N	19E	9000
20K6	Sage Hen Creek (CA)	7	18N	16E	6500
20K19	Squaw Valley #2 (CA)	6	15N	16E	7500
20K135	Truckee #2 (CA)	22	17N	16E	6400
20K2*	Webber Lake (CA)	29	19N	14E	7000
20K1*	Webber Peak (CA)	30	19N	14E	8000

CARSON RIVER

19L65	Blue Lakes (CA)	30	9N	19E	8000
19L4	Carson Pass, Upper (CA)	22	10N	18E	8600
19K5	Clear Creek	6	14N	19E	7300
19L19A5	Ebbetts Pass (CA)	17	8N	20E	8700
19L16a	Fish Valley, Upper (CA)	1	7N	22E	8050
19L065	Poison Flat (CA)	25	8N	21E	7900
19L315	Wet Meadows #2 (CA)	26	9N	19E	8050
19L18a	Wet Meadows Lake (Cal.)	26	9N	19E	8100
19L20a	Wolf Creek (Cal.)	35	8N	20E	8000

WALKER RIVER

19L11	Buckeye Forks (CA)	20	4N	23E	8500
19L10	Buckeye Roughs (CA)	15	4N	23E	7900
19L12	Center Mountain (CA)	4	3N	23E	9400
19L85	Leavitt Meadows (CA)	4	5N	22E	7200
19L175A	Lobdell Lake (CA)	20	7N	24E	9200
19L34	Sawmill Ridge (CA)	17	3N	24E	8750
19L7	Sonora Pass (CA)	1	5N	21E	9800
19L235	Sonora Pass Bridge (CA)	6	5N	22E	8800
19M1*	Tioqa Pass (CA)	30	1N	25E	9900
19L13	Virginia Lakes (CA)	5	2N	25E	9500
19L22M5	Virginia Lakes Ridge (CA)	32	2N	25E	9200
19L9	Willow Flat (CA)	21	5N	23E	8250

COLORADO

LOWER COLORADO RIVER

15N5	Kyle Canyon	27	19S	56E	8200
15N3	Lee Canyon #2	9	19S	56E	9200
15N8	Lee Canyon #3	10	19S	56E	8500
14M1	Mathew Canyon	10	6S	70E	6000
14M2	Pine Canyon	23	6S	69E	6200
15N7	Rainbow Canyon #2	6	20S	57E	8100
15L1	White River #1	31	13N	59E	7400

LEGEND

NUMBERING SYSTEM (EXAMPLE)

19KA	Snow Course Only
19KAS	Snow Course with <i>SNOTEL</i>
19K4M	Snow Course and Soil Moisture
19K4A	Snow Course and Aerial Marker
19K4P	Snow Course and Storage Precipitation Gage
19K4MA	Snow Course, Soil Moisture and Aerial Marker
19K4MP	Snow Course, Soil Moisture, and Precipitation Gage

Lower case letter "a" indicates no snow course, only an Aerial Marker.
SNOTEL has telemetered data for snow pillow, precipitation gage, and temperature. * Adjacent basin

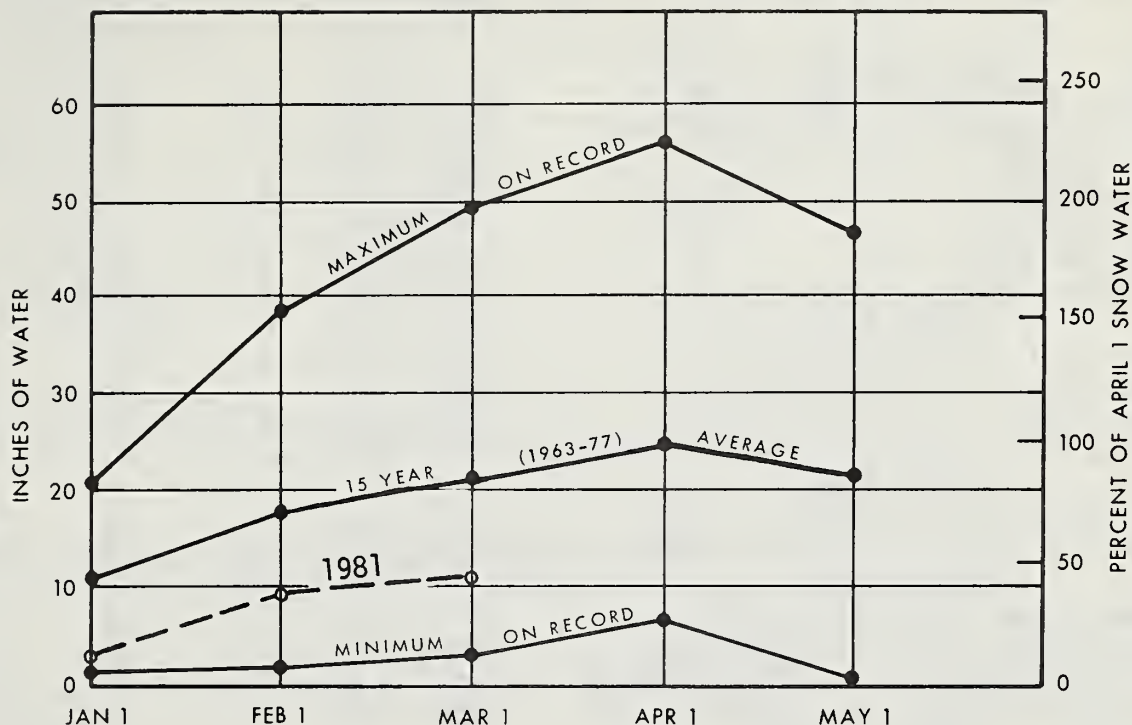
WINTER SNOWPACK

TAHOE, TRUCKEE, CARSON & WALKER BASINS

CALIFORNIA - NEVADA

1981

Data based on 9 long term Snow Courses



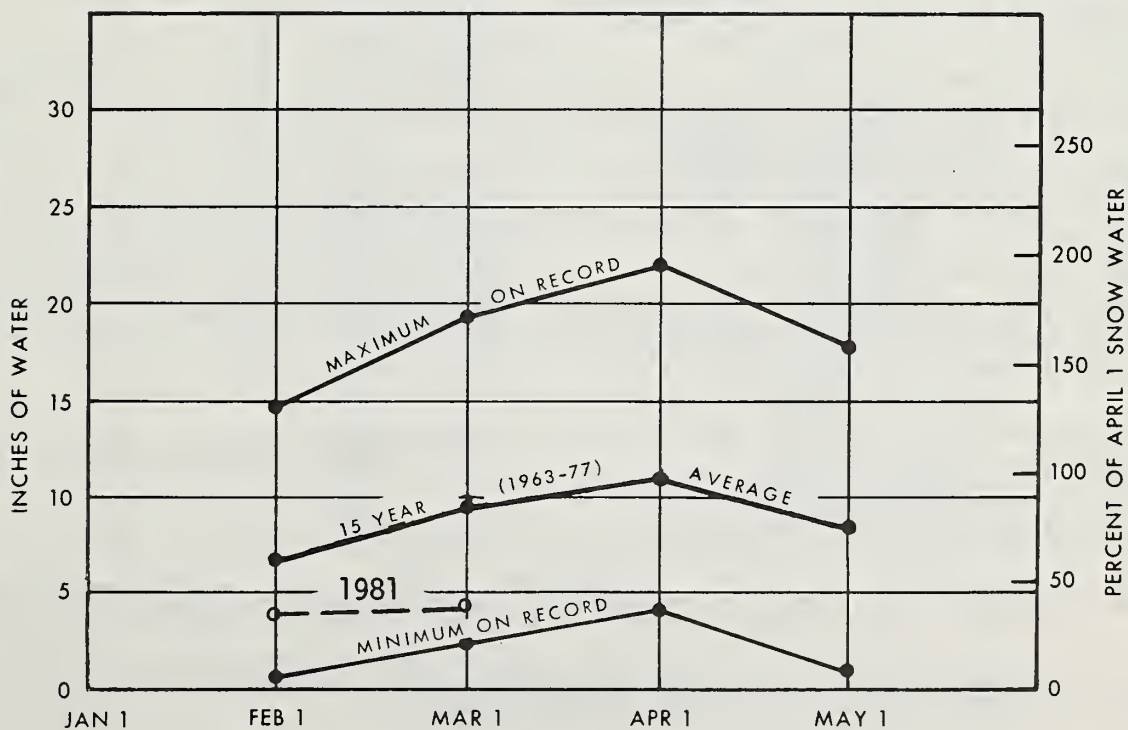
WINTER SNOWPACK

UPPER HUMBOLDT & SNAKE BASINS

NEVADA

1981

Data based on 13 selected Snow Courses



STREAMFLOW FORECASTS (Thousand Acre Feet) as of: March 1, 1981

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All averages are for 1963-77 period.

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average +
<u>TRUCKEE RIVER</u>				
Galena Creek near Steamboat, NV	April-July	2.4	55	4.4
Little Truckee River above Boca, CA	April-July	40	46	87
Truckee River at Farad, CA ^{1/}	April-July	140	51	273
Lake Tahoe Rise in Feet (assuming gates closed)	April 1 to high	0.6	42	1.42
Sage Hen Creek, CA	April-July	3.3	50	6.5
Steamboat Creek at Steamboat, NV	April-July	2.5	48	5.2
<u>CARSON RIVER</u>				
East Carson near Gardnerville, NV	April-July	115	61	187
West Carson at Woodfords, CA	April-July	32	60	53
Carson River near Carson City, NV	April-July	95	52	183
Carson River near Fort Churchill, NV	April-July	85	51	167
<u>WALKER RIVER</u>				
East Walker near Bridgeport, CA ^{2/}	April-Aug.	40	58	69
W. Walker below L. Walker nr Coleville, CA	April-July	90	62	146
<u>SNAKE RIVER</u>				
Owyhee River near Owyhee, NV ^{3/}	April-July	28	35	80
Owyhee River near Gold Creek, NV ^{3/}	April-July	7	32	22
S. Fork Owyhee River nr White Rock, NV	April-July	20	24	83
Salmon Falls Creek nr San Jacinto, NV	March-Sept.	35	37	95
<u>HUMBOLDT RIVER</u>				
Lamoille Creek near Lamoille, NV	April-July	12	42	28
S. Fork Humboldt above Dixie Creek, NV	April-July	25	34	73
Marys River above Hot Springs, NV	April-July	10	27	37
N. Fork Humboldt at Devils Gate, NV	April-July	10	29	35
Humboldt River at Palisade, NV	April-July	75	34	221
Humboldt River at Comus, NV	April-July	55	31	175
Kingston Creek near Austin, NV	April-July	1.0	30	3.3
L. Humboldt River nr Paradise Val., NV	April-July	2.5	26	9.7
Martin Creek near Paradise, NV	April-July	5.0	33	15
Reese River near Ione, NV	April-July	3.0	45	6.6
Rock Creek near Battle Mountain, NV	April-July	6.0	38	16
<u>NORTHERN GREAT BASIN</u>				
Bidwell Creek near Fort Bidwell, CA	April-July	8.5	71	12
Mill Creek near Cedarville, CA	April-July	2.9	70	4.1
Deep Creek near Cedarville, CA	April-July	2.5	70	3.6
Eagle Creek near Eagleville, CA	April-July	3.0	70	4.3
Quinn River near McDermitt, NV	April-July	5.0	31	16
E. Fork Quinn River near McDermitt, NV	April-July	4.0	31	13
McDermitt Creek near McDermitt, NV	April-July	3.0	25	12
<u>EASTERN NEVADA</u>				
Franklin River near Arthur, NV	April-July	2.5	42	5.9
Steptoe Creek near Ely, NV	April-July	1.0	50	2
<u>COLORADO RIVER</u>				
Virgin River at Littlefield, AZ	April-June	25	53	48

NOTE: Streamflow forecasts which appear in this bulletin are a coordinated activity of the National Weather Service and the Soil Conservation Service in an effort to provide the best possible forecasting service to water users.

^{1/} Observed flow plus change in storage in Boca, Stampede and Prosser Reservoirs, Donner, Independence and Martis Creek Lakes, and minus the flow at Truckee River at Tahoe City, California.

^{2/} Observed flow plus change in storage in Bridgeport Reservoir.

^{3/} Observed flow plus change in storage in Wild Horse Reservoir.

+1963-77 Period.

RESERVOIR STORAGE (Thousand Acre Feet) AS OF March 1, 1981

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
Owyhee	Wild Horse	72	50	40	30
Lower Humboldt	Rye Patch	172	165	122	121
Colorado	Mohave	1,810	1,706	1,704	1,674
Colorado	Mead	26,159	23,547	23,496	17,520
Tahoe	Tahoe	732	355	302	491
Truckee	Boca	41	22	23	19
Truckee	Stampede**	220	142	93	120*
Truckee	Prosser***	30	9	9	8*
Carson	Lahontan	291	224	241	232
West Walker	Topaz	59	41	33	44
East Walker	Bridgeport	42	41	34	34

* Adjusted average.
 ** Storage began August 1, 1969.
 *** Flood Control use allocation of 20,000 acre-feet between November 1 and April 10.

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average [†]
October 1	883	430	786
January 1	793	432	844
February 1	859	676	920
March 1	898	795	968
April 1		875	1,010
May 1		937	1,032

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-feet.

TOTAL USABLE CAPACITY 1,409

PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
East Fork Carson River near Gardnerville, NV	1050-1300	1865
Carson River near Carson City, NV	1150-1400	2098
Carson River near Fort Churchill, NV	1050-1300	1914
W. Walker R. below L. Walker near Coleville, CA	1050-1300	1589

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
East Carson River near Gardnerville, NV	200	7/8	7/24

SATELLITE SNOW COVER

TAHOE-TRUCKEE, CARSON AND WALKER BASINS

February 22, 1981



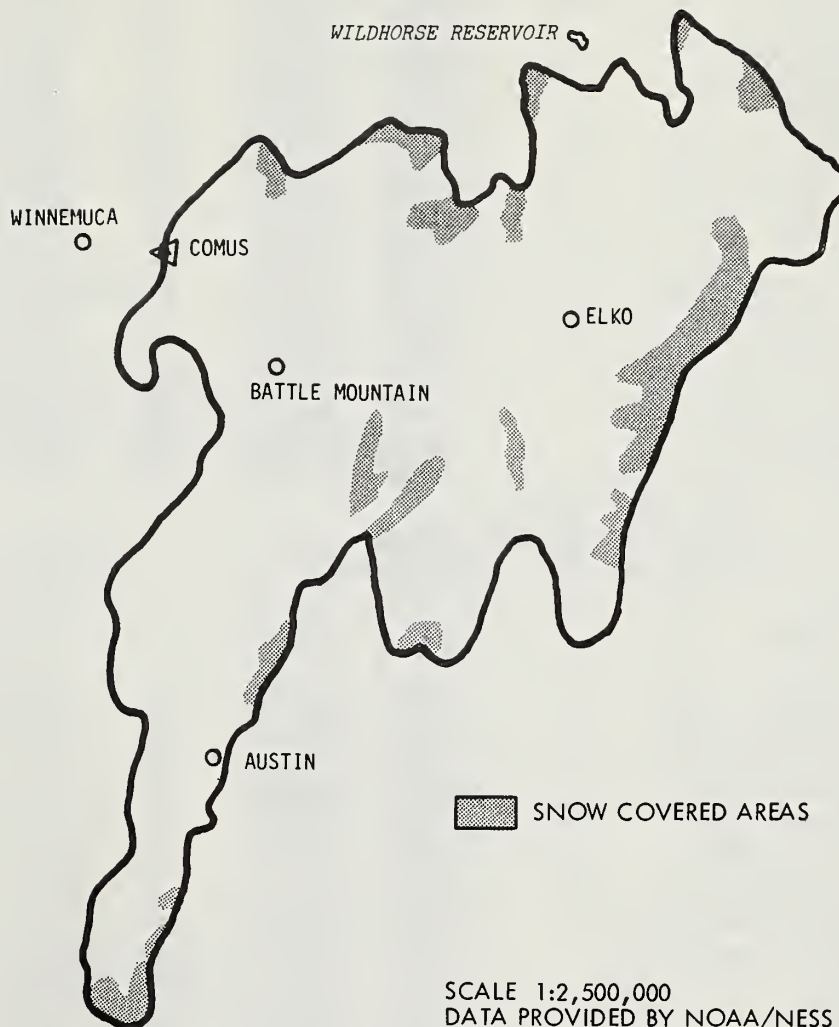
SCALE 1:2,000,000
DATA PROVIDED BY NOAA/NESS
WASHINGTON D.C.

<u>BASIN</u>	<u>THIS YEAR</u>	<u>PERCENT SNOW COVER</u>	<u>LAST YEAR</u>	<u>PERCENT SNOW COVER</u>
TAHOE-TRUCKEE	November 27, 1980	8.0%	November 29, 1979	7.0%
	December 28, 1980	11.0%	December 27, 1979	68.0%
	February 1, 1981	62.0%	January 26, 1980	30.0%
	February 22, 1981	26.0%	February 26, 1980	34.0%
CARSON	November 27, 1980	3.0%	November 29, 1979	7.0%
	December 28, 1980	6.0%	December 27, 1979	31.0%
	February 1, 1981	33.0%	January 26, 1980	15.0%
	February 22, 1981	9.0%	February 26, 1980	16.0%
WALKER	November 27, 1980	9.0%	November 29, 1979	3.0%
	December 28, 1980	11.0%	December 27, 1979	68.0%
	February 1, 1981	52.0%	January 26, 1980	25.0%
	February 22, 1981		February 26, 1980	32.0%

SATELLITE SNOW COVER

HUMBOLDT RIVER ABOVE COMUS, NEVADA

February 22, 1981



SCALE 1:2,500,000
DATA PROVIDED BY NOAA/NESS
WASHINGTON, D.C.

<u>THIS YEAR</u>	<u>PERC SNOW COVER</u>	<u>LAST YEAR</u>	<u>PERCENT SNOW COVER</u>
November 27, 1980	43.0%	November 27, 1979	71.0%
December 26, 1980	4.0%	December 26, 1979	81.0%
February 1, 1981	89.0%	January 30, 1980	100.0%
February 4, 1981	78.0%	February 4, 1980	80.0%
February 10, 1981	53.0%	February 9, 1980	62.0%
February 22, 1981	13.0%	February 25, 1980	29.0%

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †

LAKE TAHOE

Echo Peak (CA)	7,800	2/27/81	49	16.8	46.0	-
Echo Summit (CA)	7,450	2/27/81	47	14.2	37.0	28.3
Fallen Leaf (CA)	6,300	2/27/81	4	0.6	4.3	-
Freel Bench (CA)	7,300	2/27/81	11	3.0	11.5	10.2*
Glenbrook #2	6,900	2/25/81	17	5.1	13.1	9.1*
Hagan's Meadow (CA)	8,000	2/26/81	25	6.4	22.0	13.8*
Heavenly Valley (CA)	8,800	2/27/81	39	12.1	33.6	26.3*
Lake Lucille (CA)	8,200	2/27/81	87	27.9	71.8	49.0*
Marlette Lake	8,000	2/26/81	33	9.5	24.1	18.4
Richardsons #2 (CA)	6,500	2/22/81	26	6.8	15.1	14.1
Rubicon #1 (CA)	8,100	2/27/81	73	21.8	52.0	39.0
Rubicon #2 (CA)	7,500	2/27/81	44	14.3	32.7	24.2
Tahoe City Cross (CA)	6,750	2/28/81	19	6.3	19.5	-
Upper Truckee (CA)	6,400	2/26/81	13	3.2	-	8.7*
Ward Creek #2 (CA)	7,000	2/25/81	63	17.3	43.2	33.5
Ward Creek #3 (CA)	6,750	2/26/81	61	17.3	41.5	32.9*
Summary: Total Snow Courses - 12						
Snow Water Content Inches				(155.7)	(397.6)	(298.8)
Percent of Last Year, Average					(43%)	(52%)

TRUCKEE RIVER

Boca #2 (CA)	5,900	3/01/81	1	0.5	4.5	6.1
Brockway Summit (CA)	7,100	2/26/81	20	6.6	25.0	17.0*
Castle Creek (CA)b	7,400	2/27/81	68	22.6	55.6	41.9
Donner Park #2 (CA)	6,000	3/01/81	19	5.9	14.6	14.9
Donner Summit (CA)	6,900	2/23/81	32	13.5	42.4	31.5
Fordyce Lake (CA)b	6,500	2/27/81	55	20.8	41.6	30.8
Furnace Flat (CA)b	6,700	2/27/81	70	25.3	50.0	36.2*
Independence Camp (CA)	7,000	2/26/81	28	8.3	21.8	19.2*
Independence Creek (CA)	6,500	2/26/81	16	4.5	11.9	11.1*
Independence Lake (CA)	8,450	2/26/81	63	18.2	47.3	32.0
Little Valley	6,300	2/26/81	5	1.0	4.1	8.2
Mount Rose	9,000	2/27/81	40	13.8**	42.8	-
Mount Rose Ski Area	8,850	2/25/81	67	21.6	52.8	33.3*
Sage Hen Creek (CA)	6,500	2/26/81	23	6.6	17.3	14.2*
Squaw Valley #2 (CA)	7,500	2/26/81	74	22.1	59.0	40.4
Squaw Valley Gold Coast (CA)	8,200	2/26/81	84	25.4**	-	-
Truckee #2 (CA)	6,400	2/28/81	17	5.4	15.6	11.7*
Webber Lake (CA)	7,000	NS	-	-	-	-
Webber Peak (CA)	8,000	NS	-	-	-	-
Summary: Total Snow Courses - 12						
Snow Water Content Inches				(114.2)	(316.3)	(239.6)
Percent of Last Year, Average					(36%)	(48%)

† 1963-1977 period.

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
					Last Year	Average †

CARSON RIVER

Blue Lakes (CA)	8,000	2/23/81	46	16.6	41.4	30.2*
Carson Pass, Upper (CA)	8,600	2/26/81	59	20.1	42.9	29.0
Clear Creek	7,300	2/26/81	11	2.6	12.4	11.3
Ebbetts Pass AM (CA)	8,700	2/27/81	64	20.5 _a	50.5 _a	29.1 _a
Ebbetts Pass #2 (CA)	8,700	2/27/81	61	19.3	50.1	-
Fish Valley, Upper AM (CA)	8,050	2/27/81	24	8.4 _a	16.0 _a	12.7 _a
Monitor Pass AM (CA)	8,350	2/27/81	17	5.6	-	-
Poison Flat #2 (CA)	7,900	2/27/81	24	8.5 _a	-	-
Poison Flat AM (CA)	7,900	2/27/81	29	10.3	21.9	14.3*
Spratt Creek (CA)	6,100	2/27/81	3	0.9	-	-
Wet Meadows Lake AM (CA)	8,050	2/27/81	50	15.0 _a	35.0 _a	23.3 _a *
Wet Meadows #2 (CA)	8,050	2/27/81	67	19.6	47.0	-
Wolf Creek AM (CA)	8,000	2/27/81	42	13.4 _a	34.0 _a	27.4 _a *

Summary: Total Snow Courses - 8

Snow Water Content Inches

(106.9) (254.1) (177.3)

Percent of Last Year; Average

(42%) (60%)

WALKER RIVER

Buckeye Roughs (CA)	7,900	2/27/81	16	6.0	25.6	14.5*
Center Mountain AM (CA)	9,400	2/27/81	55	16.0 _a	52.0 _a	35.1 _a
Center Mountain (CA)	9,400	2/27/81	56	16.2	50.1	34.4*
Leavitt Lake (CA)	9,400	2/27/81	69	23.1	64.6	-
Leavitt Meadows (CA)	7,200	2/27/81	11	4.3	13.2	-
Lobdell Lake (CA)	9,200	2/27/81	26	8.3**	23.4	14.3*
Sawmill Ridge (CA)	8,750	2/27/81	28	6.3	25.9	-
Sonora Pass (CA)	8,800	2/27/81	39	12.2	33.4	21.0
Sonora Pass Bridge (CA)	8,800	2/27/81	40	12.0	-	24.7*
Tioga Pass (CA)	9,900	2/26/81	40	13.2	-	19.6*
Virginia Lakes (CA)	9,500	2/27/81	28	9.3	26.3	14.3*
Virginia Lakes Ridge (CA)	9,200	2/27/81	27	7.8	26.0	14.8*
Willow Flat (CA)	8,250	2/27/81	12	4.7	15.3	-

Summary: Total Snow Courses - 8

Snow Water Content Inches

(75.8) (236.8) (148.4)

Percent of Last Year; Average

(32%) (51%)

NORTHERN GREAT BASIN

Bald Mountain AM	6,720	2/26/81	2	0.6 _a	8.4 _a	2.8 _a
Barber Creek (CA)	6,500	2/24/81	10	3.2	14.8	10.4
Cedar Pass (CA)	7,100	2/27/81	24	8.2	19.0	12.9
Denio Creek AM (OR)	6,000	2/27/81	0	0.0 _a	0.0 _a	0.6 _a *
Disaster Peak	6,500	2/27/81	7	2.5	16.2	11.6
Dismal Swamp #2 (CA)	7,000	2/23/81	45	16.2	35.7	-
Eagle Peak (CA)	7,200	NS	-	-	-	-
49 Mountain	6,000	2/20/81	7	0.7	5.1	3.5
Hays Canyon	6,400	2/20/81	3	0.6	5.3	3.1
Little Bally Mountain AM	6,000	2/26/81	3	0.9 _a	7.7 _a	2.6 _a
Mount Bidwell (CA)	7,240	2/23/81	36	13.4	29.9	15.3*
North Star (CA)	6,200	2/23/81	27	10.4	18.9	13.8*
Oregon Canyon AM (OR)	7,240	2/27/81	0	0.0 _a	8.4 _a	4.6 _a
Quinn Ridge AM	6,300	2/27/81	0	0.0 _a	0.0 _a	1.6 _a
Reservation Creek (CA)	5,900	2/23/81	15	5.9	13.8	9.9
Trout Creek AM (OR)	7,800	2/27/81	16	5.3 _a	7.4 _a	15.4 _a *

Summary: Total Snow Courses - 14

Snow Water Content Inches

(51.7) (154.9) (108.1)

Percent of Last Year; Average

(33%) (48%)

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †

SNAKE RIVER

Bear Creek	7,800	2/27/81	32	7.7	20.0	18.0
Fox Creek	6,800	2/27/81	11	3.6	10.2	9.7
Goat Creek	8,800	2/27/81	22	5.5	17.6	15.7
Hummingbird Springs	8,945	2/27/81	34	8.9	22.4	19.5
Merritt Mountain AM	7,000	2/27/81	1	0.1 _a	7.5 _a	6.4 _a
Pole Creek Ranger Station	8,330	2/27/81	29	7.8	17.8	18.6
Seventy Six Creek	7,100	2/27/81	16	5.1	11.6	10.5
Stag Mountain AM	7,700	2/27/81	1	0.1 _a	5.4 _a	5.4 _a

Summary: Total Snow Courses - 8
 Snow Water Content Inches (38.8) (112.5) (103.8)
 Percent of Last Year; Average (34%) (37%)

OWYHEE RIVER

Big Bend	6,700	2/25/81	5	1.6	8.1	7.5
Columbia Basin AM	6,650	2/27/81	0	0.0 _a	6.2 _a	8.2 _a *
Fawn Creek #2	7,000	2/25/81	24	6.9	-	-
Gold Creek	6,600	2/25/81	0	0.0	5.0	4.9
Jack Creek, Lower	6,800	2/25/81	0	0.0	3.5	-
Jack Creek, Upper	7,250	2/25/81	13	4.4	7.2	6.7
Jack Creek #2, Upper	7,250	2/25/81	26	7.3**	15.5	-
Jacks Peak	8,420	2/25/81	37	10.4	21.3	20.9*
Laurel Draw	6,700	2/25/81	14	4.6	7.6	6.9
Louse Canyon AM (OR)	6,440	2/27/81	0	0.0 _a	1.7 _a	3.0 _a
Taylor Canyon	6,200	2/25/81	0	0.0	3.9	4.5

Summary: Total Snow Courses - 8
 Snow Water Content Inches (21.0) (61.0) (62.6)
 Percent of Last Year; Average (34%) (34%)

UPPER HUMBOLDT RIVER

America Beauty AM	7,800	2/27/81	3	1.0 _a	6.7 _a	8.5 _a
Corral Canyon	8,500	2/26/81	22	5.5	13.1	12.3
Dorsey Basin	8,100	2/26/81	16	5.8**	10.8	10.4*
Dry Creek	6,500	2/26/81	0	0.0	2.6	2.8*
Fry Canyon	6,700	2/25/81	6	2.5	7.4	5.9*
Green Mountain	8,000	2/26/81	9	2.9	8.6	10.9*
Harrison Pass #1	6,600	2/26/81	3	0.8	0.1	3.5*
Harrison Pass #2	7,400	2/26/81	7	2.1	0.1	4.3*
Lamoille #1	7,100	2/26/81	12	3.8	9.9	8.1
Lamoille #3	7,700	2/26/81	14	4.3	11.7	10.4
Lamoille #5	8,700	2/26/81	32	8.8	27.3	21.3
Pole Canyon #2	7,700	2/26/81	5	1.5	13.3	-
Robinson Lake AM	9,200	2/27/81	49	15.7 _a	32.9 _a	-
Rodeo Flat	6,800	2/25/81	6	2.3	6.0	4.6*
Ryan Ranch	5,800	2/26/81	0	0.0	0.0	0.8*
Smith Creek	7,700	2/26/81	20	5.9	8.6	-
Tent Mountain AM, Lower	7,000	2/27/81	1	0.1 _a	6.2 _a	11.7 _a *
Tent Mountain AM, Upper	8,350	2/27/81	19	6.3 _a	15.9 _a	19.3 _a *
Tremewan Ranch	5,700	2/25/81	0	0.0	0.0	1.5
Trout Creek, Lower	6,900	2/26/81	0	0.0	4.0	2.8*
Trout Creek, Upper	8,500	2/26/81	1	0.1	16.8	15.4*

Summary: Total Snow Courses - 18
 Snow Water Content Inches (46.3) (147.2) (154.5)
 Percent of Last Year; Average (31%) (30%)

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †

LOWER HUMOLDT RIVER

Big Creek Campground	6,600	2/23/81	0	0.0	0.4	1.6
Big Creek Mine	7,600	2/23/81	3	0.6	2.8	4.4
Big Creek Summit	8,700	2/23/81	13	4.0	11.5	-
Big Creek, Upper	7,800	2/23/81	6	1.6	3.8	5.4*
Buckskin, Lower	6,700	2/27/81	8	3.0	7.7	7.1
Buckskin, Upper	8,200	2/27/81	6	2.2	8.5	8.4
Golconda #2	6,000	2/23/81	2	0.5	3.9	4.5
Granite Peak	7,800	2/27/81	25	5.5	15.8	13.1
Lamance Creek	6,000	2/27/81	1	0.1	7.8	9.0
Martin Creek	6,700	2/27/81	9	2.3	11.2	8.4
Midas	7,200	2/25/81	0	0.0	0.1	2.2
Toe Jam AM	7,700	2/27/81	9	3.0 _a	9.6 _a	8.5 _a *
Summary: Total Snow Courses - 11						
Snow Water Content Inches				(18.8)	(71.6)	(72.6)
Percent of Last Year; Average					926%	(26%)

EASTERN NEVADA

Baker #1	7,950	2/27/81	15	3.0	8.0	5.6*
Baker #2	8,950	2/27/81	33	6.0	17.0	11.0*
Baker #3 AM	9,250	2/27/81	33	6.6 _a	17.7 _a	11.9 _a *
Berry Creek	9,100	2/28/81	36	7.3	-	11.4*
Bird Creek	7,500	2/24/81	11	3.3	5.6	3.4
Defiance Mines AM	9,400	NS	-	-	21.5 _a	-
Hole-in-Mountain	7,900	2/26/81	12	3.9	21.4	18.6
Kalamazoo Creek	7,400				8.0	6.0
Murray Summit	7,250	2/24/81	3	1.5	0.7	2.9
Robinson Summit	7,600	2/24/81	0	0.0	0.9	2.0
Silver Creek #2 AM	8,000	2/27/81	1	0.1 _a	5.8 _a	5.1 _a
Ward Mountain #2 AM	7,400	2/27/81	21	4.2 _a	11.3 _a	6.4 _a *
Summary: Total Snow Courses - 9						
Snow Water Content Inches				(28.6)	(88.4)	(66.9)
Percent of Last Year; Average					(32%)	(43%)

CENTRAL GREAT BASIN

Chiatovich Flat AM (CA)	10,500	NS	-	-	3.6 _a	2.8 _a
Clark Canyon	9,000	2/25/81	4	1.2	-	5.2*
Montgomery Pass	7,100	2/26/81	3	0.5	1.3	1.1*
Pinchot Creek AM (CA)	9,300	NS	-	-	1.7 _a	0.5 _a
Piute Pass AM (CA)	11,700	NS	-	-	5.4 _a	3.0 _a
Trough Springs	8,500	2/25/81	6	1.8	13.0	3.8*
Summary: Total Snow Courses - 2						
Snow Water Content Inches				(2.3)	(14.3)	(4.9)
Percent of Last Year; Average					(16%)	(47%)

† 1963-1977 period.

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †

LOWER COLORADO RIVER

Corduroy Flat AM	8,720	2/27/81	1	0.1 ^a	-	-
Ella Mountain AM	7,050	2/27/81	0	0.0 ^a	-	-
Kyle Canyon	8,200	2/24/81	11	4.0	16.7	8.9
Lee Canyon #2	9,000	2/24/81	9	2.6	17.7	6.4*
Lee Canyon #3	8,500	2/24/81	5	1.8	14.9	6.7
Mathew Canyon AM	6,000	2/27/81	0	0.0 ^a	-	0.8 ^a *
Mt. Wilson AM	8,050	2/27/81	2	0.4 ^a	-	-
Pine Canyon AM	6,200	2/27/81	0	0.0 ^a	-	1.3 ^a *
Rainbow Canyon #2	8,100	2/24/81	5	1.8	22.7 ^a	12.2*
White River AM	7,400	2/27/81	1	0.1 ^a	-	-

Summary: Total Snow Courses - 4

Snow Water Content Inches

Percent of Last Year; Average

(10.2) (72.0) (34.2)
(14%) (30%)

DESERT RESEARCH INSTITUTE MEASUREMENTS

TAHOE-TRUCKEE BASIN

Alder Creek	6,960	2/27/81	47	14.5	35.0	-
Apollo Way	7,300	2/26/81	4	0.5	15.3	-
Bennett Flat	6,200	2/27/81	14	4.1	15.0	-
Davis Creek	5,160	2/26/81	0	0.0	1.5	-
Evergreen Hills Road	5,700	2/26/81	1	0.1	2.3	-
Galena Creek	7,440	2/26/81	33	11.3	24.0	-
Henness Pass Junction	6,410	2/27/81	18	6.0	13.3	-
Hobart Mills	5,850	2/27/81	5	1.5	7.1	-
Incline Lake	8,000	2/26/81	23	7.2	25.4	-
Jones Creek	6,000	2/26/81	1	0.1	2.6	-
Mount Rose Resort	8,280	2/26/81	47	16.4	39.2	-
North Star Fire Department	6,320	2/27/81	10	3.5	6.2	-
Reindeer Lodge	7,060	2/26/81	10	4.2	16.8	-
RNR Test Site	6,400	2/26/81	8	2.8	10.8	-
Sky Tavern	7,620	2/26/81	17	7.1	22.2	-
Spooner Summit	7,620	2/26/81	16	5.8	20.3	-
Squaw Valley Fire Department	6,240	2/27/81	20	4.4	14.1	-
Tahoe City	6,240	2/27/81	17	4.4	12.3	-
Tahoe Meadows	8,540	2/26/81	60	16.8	47.5	-
Tamarack Lake	8,820	2/26/81	50	16.4	41.4	-
Third and Incline Creeks	6,235	2/26/81	2	0.4	2.6	-
Thunder Cliff	6,200	2/27/81	17	4.6	11.1	-
Truckee Airport	5,900	2/27/81	3	0.5	3.2	-
Whites Creek	5,670	2/26/81	0	0.0	0.8	-

^a Aerial Marker

^b Located on adjacent basin

^{*} Less than 15 year record

^{**} SNOTEL provisional

^{WS} Not surveyed this month

NOTE:

All averages based on 1963-77, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. †1963-77 period.

PRECIPITATION (Inches)

PRECIPITATION (INCHES)		CURRENT INFORMATION				FROM APPROX. OCT. 1 TO DATE	
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	Date of Reading	Month's Precipitation	Last Year	This Year	Last Year	1979
<u>TAHOE-TRUCKEE</u>							
Echo Peak (CA)	7,800	3/01/81	6.2	-	20.3	-	22.0
Fallen Leaf (CA)	6,240	3/01/81	2.2	9.2	12.2	37.8	18.0
Hagan's Meadow (CA)	8,000	3/01/81	2.8	9.9	11.5	34.9	21.0
Heavenly Valley (CA)	8,800	3/01/81	1.8	9.1	12.2	31.3	18.8
Independence Camp (CA)	7,000	3/01/81	3.0	10.7	14.7	36.6	21.0
Independence Creek (CA)	6,500	3/01/81	2.7	8.3	13.1	27.2	15.9
Independence Lake (CA)	8,450	3/01/81	3.6	-	20.1	-	16.7
Marlette Lake	8,000	3/01/81	1.5	8.8	13.4	32.0	18.6
Mt. Rose	9,000	3/01/81	2.3	-	13.3	-	18.2
Mt. Rose Ski Area	8,850	3/01/81	3.1	20.6	21.2	53.1	32.3
Rubicon #2 (CA)	7,500	3/01/81	4.0	12.1	17.1	43.3	24.2
Squaw Valley Gold Coast (CA)	7,800	3/01/81	6.0	-	26.3	-	-
Tahoe City Cross (CA)	6,750	3/01/81	3.2	12.4	16.0	41.2	27.1
Truckee #2 (CA)	6,400	3/01/81	2.6	11.1	13.0	33.0	17.6
Ward Creek #3 (CA)	6,750	3/01/81	7.2	19.4	28.0	69.1	37.6
<u>CARSON-WALKER</u>							
Blue Lakes (CA)	8,000	3/01/81	2.4	-	17.6	-	29.7
Ebbetts Pass #2 (CA)	8,700	3/01/81	4.1	-	22.1	-	33.9
Leavitt Meadows (CA)	7,200	3/01/81	2.2	9.5	14.4	34.0	22.8
Lobdell Lake (CA)	9,200	3/01/81	1.0	6.8	10.0	22.2	14.0
Pine Nut Creek (CA)	6,600	2/02/81 to 2/26/81	0.7	-	4.4	-	-
Poison Flat (CA)	7,900	3/01/81	1.9	10.5	11.9	32.6	23.8
Sonora Pass Bridge (CA)	8,800	3/01/81	2.3	11.7	14.6	37.3	23.8
Spratt Creek (CA)	6,080	3/01/81	2.5	-	13.6	-	-
Virginia Lakes Ridge (CA)	9,200	3/01/81	1.7	10.5	10.4	29.2	18.3
Wet Meadows #2 (CA)	8,050	3/01/81	3.9	11.3	20.6	44.6	25.1
<u>HUMBOLDT</u>							
Big Creek Summit	8,700	3/01/81	1.6	-	5.6	9.7	-
Buckskin, Lower	6,700	2/27/81	2.0	-	9.0	15.9	10.8
Corral Canyon	8,500	3/01/81	1.2	3.5	7.5	15.7	14.6
Dorsey Basin	8,100	3/01/81	1.1	5.3	8.5	17.1	16.4
Fry Canyon	6,700	2/02/81 to 2/25/81	1.0	-	7.0	-	-
Granite Peak	7,800	3/01/81	1.7	-	10.4	22.1	10.4
Green Mountain	8,000	2/26/81	-	4.0	7.7	13.5	16.7
Lamance Creek	6,000	3/01/81	2.0	-	9.2	21.6	12.7
Lamoille #3	7,700	3/01/81	1.2	3.9	7.4	16.1	14.4
Martin Creek	6,700	2/27/81	-	-	9.7	19.5	10.0
Rodeo Flat	6,800	2/2/81 to 2/25/81	1.0	2.3	5.7	11.8	8.5
Trout Creek, Lower	6,900	2/26/81	-	-	4.4	13.5	8.0

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Last Year	This Year	Last Year	1979
<u>SNAKE-OWYHEE</u>							
Bear Creek	7,800	3/01/81	1.8	4.3	9.9	20.0	15.3
Big Bend	6,700	3/01/81	1.2	1.9	5.9	11.5	9.0
Fawn Creek #2	7,000	3/01/81	1.7	-	11.1	20.8	-
Goat Creek	8,800	3/01/81	1.3	4.5	8.0	20.7	17.3
Jack Creek #2, Upper	7,250	3/01/81	1.5	3.4	10.2	15.8	13.7
Jacks Peak	8,420	2/25/81	-	5.5	11.8	24.6	17.3
Laurel Draw	6,700	3/01/81	1.2	3.0	8.4	16.9	13.2
Pole Creek Ranger Station	8,330	3/01/81	0.8	2.1	5.6	12.9	12.3
Seventy Six Creek	7,100	3/01/81	0.9	2.6	6.2	14.3	13.1
Taylor Canyon	6,200	3/01/81	0.6	1.3	2.9	7.4	6.7
<u>EASTERN NEVADA</u>							
Berry Creek	9,100	3/01/81	1.8	-	8.0	-	13.1
Hole-in-Mountain	8,900	2/26/81	-	-	8.6	21.5	16.2
Ward Mountain	8,900	3/01/81	0.7	-	7.9	-	-
<u>NORTHERN GREAT BASIN</u>							
Cedar Pass (CA)	7,100	3/01/81	3.6	5.3	14.4	26.3	13.9
Disaster Peak	6,500	3/01/81	1.2	-	7.6	18.7	12.6
Oismal Swamp #2 (CA)	7,050	3/01/81	4.4	-	20.4	-	-
Ferguson Ranch	5,560	1/29/81 to 2/20/81	1.5	-	-	-	-
49 Mountain	6,000	1/29/81 to 2/20/81	2.0	-	7.0	-	-
Mt. Bidwell (CA)	7,240	2/23/81	-	-	17.2	-	-
All data SNOTEL provisional except Ferguson Ranch, Fry Canyon, 49 Mountain, Pine Nut Creek, and Rodeo Flat.							

AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

FEDERAL

- Agricultural Research Service
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Soil Conservation Service
- U. S. District Court - Federal Water Master
- NOAA, National Weather Service

STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Conservation Districts
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
 - Nevada State Forester
- Oregon Cooperative Snow Surveys
- University of Nevada, Desert Research Institute
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas and Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Truckee - Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservancy District

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SOIL CONSERVATION SERVICE

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